

## CLAIMS

Claim 1. A prefabricated relief form member for receiving and retaining a cementitious coating when the relief form member is attached to a prepared structural wall to create an architectural trim, the form member comprising;

structural elements comprising;

a first side connected wire assembly;

a second side connected wire assembly;

the first and second side connected wire assemblies being lengthwise oppositely positioned relative to each other whereby each of them defines a side height and a corner of the relief form member and together they define a width of the relief form member and an inside space;

fastenings at selected intervals connecting the structural elements to keep them together in a predetermined relief form configuration

Claim 2. The prefabricated relief form member of claim 1 further wherein the fastenings are discrete glue spots applied to encapsulate a portion of the first and second side connected wire assemblies.

Claim 3. The prefabricated relief form member of claim 1 further wherein the fastenings are weldments.

Claim 4. The prefabricated relief form member of claim 1 further wherein a sheet of paper is in place in the inside space of the relief form member and is fastened to the side connected wire assemblies

Claim 5. The prefabricated relief form member of claim 1 further wherein a sheet of paper is in place on the inside space of the relief form member and the fastenings are discrete glue spots placed at selected intervals along the length of the relief form member to contact and thereby attach the side connected wire assemblies to each other and to attach the paper to portions of the side connected wire assemblies.

Claim 6. The prefabricated relief form member of claim 1 absent any other structural support member.

Claim 7. The prefabricated relief form member of claim 1 wherein the structural elements further comprise at least one channel element positioned to extend between the first and second connected wire assemblies and the fastenings are placed to fasten the structural elements together.

Claim 8 The prefabricated relief form member of claim 1 further wherein the said structural elements comprise a first stepped structure and further wherein the first stepped structure is set on top of a second stepped structure the second stepped structure having structural elements comprising at least a first and second side connected wire assembly which define a side height and a corner of the second stepped structure and together they define a width of the second stepped structure which is wider than the width of the first stepped structure and an inside space and the fastenings include fastenings placed to fasten the first and second stepped structures together to define a relief form member that can be used to create an architectural trim element having a stepped profile.

Claim 9. The prefabricated relief form member of claim 4 in which the paper is recycled paper.

Claim 10. The prefabricated relief form member of claim 8 further wherein a sheet of paper is in place in the inside space of each of the first and the second stepped structures and is fastened to the side connected wire assemblies.

Claim 11. The prefabricated relief form of claim 8 wherein at least one channel element is in place between the first and second connected wire assemblies of the second stepped structure.

Claim 12. The prefabricated relief form member of claim 8 wherein at least one channel member is in place between the first and second connected wire assemblies of the first stepped structure.

Claim 13. A prefabricated relief form member for receiving and retaining a cementitious coating when the relief form member is attached to a prepared structural wall to create an architectural trim, the form member comprising;

structural elements comprising at least;

a first side corner aid;

a second side corner aid;

the first and second side corner aids being lengthwise oppositely positioned relative to each other whereby each of them defines a side height and a corner of the relief form member and together they define a width of the relief form member and an inside space;

fastenings at selected intervals connecting the structural elements to keep them together in a predetermined relief form configuration.

Claim 14. The prefabricated relief form member of claim 13 further wherein the fastenings are discrete glue spots applied to encapsulate a portion of the first and second side corner aids.

Claim 15. The prefabricated relief form member of claim 13 further wherein the fastenings are weldments.

Claim 16. The prefabricated relief form member of claim 13 further wherein a sheet of paper is in place in the inside space of the relief form member and is fastened to the side corner aids.

Claim 17. The prefabricated relief form member of claim 13 further wherein a sheet of paper is in place on the inside space of the relief form member and the fastenings are discrete glue spots placed at selected intervals along the length of the relief form member to contact and thereby attach the side corner aids to each other and to attach the paper to portions of the side corner aids.

Claim 18. The prefabricated relief form member of claim 13 absent any other structural support member.

Claim 19. The prefabricated relief form member of claim 13 wherein the side corner aids are not modified in form.

Claim 20. The prefabricated relief form member of claim 13 wherein the side corner aids are modified in form having the angle between leg portions enlarged.

Claim 21. The prefabricated relief form member of claim 13 wherein the structural elements comprise at least one channel element positioned to extend between the first and second side corner aids and the fastenings are placed to fasten the structural elements together.

Claim 22. The prefabricated relief form member of claim 13 further wherein the said structural elements comprise a first stepped structure and further wherein the first stepped structure is set on top of a second stepped structure the second stepped structure having structural elements comprising at least a first and second side corner aid which define a side height and a corner of the second stepped structure and together they define a width of the second stepped structure which is wider than the width of the first stepped structure and an inside space and the fastenings include fastenings placed to fasten the first and second stepped structures together to define a relief form member that can be used to create an architectural trim element having a stepped profile.

Claim 23 The prefabricated relief form member of claim 16 in which the paper is recycled paper.

Claim 24. The prefabricated relief form member of claim 21 wherein at least one channel element is positioned to extend between the first and second side corner aids of the second stepped structure and the channel element and the fastenings fasten the channel element at each of its sides to one of the said side corner aids.

Claim 25. The prefabricated relief form member of claim 24 in which the at least one channel element is a corner aid that has been modified in form by opening the angle between the legs

Claim 26. A prefabricated relief form member for receiving and retaining a cementitious coating when the relief form member is attached to a prepared wall to create an architectural trim, the relief form member comprising;

at least a first side corner aid and a second side corner aid being lengthwise oppositely positioned relative to each other whereby each of them defines a height and a corner of the relief form member and together they define a width of the relief form member and an inside space;

fastenings at selected intervals along the length of and contacting a portion of the first and second side corner aids to fasten each of them to one of (a) the other (b) one or more other structural members made from additional corner aid or (c) both (a) and (b).

Claim 27. The prefabricated relief form member of claim 26 further wherein at least one additional corner aid having been widened in profile and defining a channel corner aid is positioned to extend between the first and second side corner aids for overlapping of a portion of each of them;

the fastenings contact the first side corner aid and the at least one channel corner aid and the second side corner aid and the at least one channel corner aid respectively.

Claim 28. The prefabricated relief from member of claim 26 further wherein the at least one channel corner aid is formed with a curved shape to bring it close to the first and second corner aids where they overlap the at least one channel corner aid in order to facilitate the fastening.

Claim 29. An architectural trim comprising a relief form member fabricated from structural elements comprising lengths of connected wire assemblies fastened together with fastenings to define a profile;

and cementitious material applied over the relief form member to define a finished shape and surface.

Claim 30. The architectural trim of claim 29 wherein the connected wire assemblies are lengths of corner aid.

Claim 31. The architectural trim of claim 29 wherein the structural elements are lengths of corner aid comprising at least;

a first side corner aid;

a second side corner aid;

the first and second side corner aids being lengthwise oppositely positioned relative to each other whereby each of them defines a side height and a corner of the relief form member and together they define a width of the relief form member and an inside space;

fastenings at selected intervals connecting the structural elements to keep them together in a predetermined relief form configuration.

Claim 32. The architectural trim of claim 31 further wherein the fastenings are discrete glue spots applied to encapsulate a portion of the first and second side corner aids.

Claim 33. The architectural trim of claim 31 further wherein the fastenings are weldments.

Claim 34. The architectural trim of claim 31 further wherein a sheet of paper is in place in the inside space of the relief form member and is fastened to the side corner aids.

Claim 35. The architectural trim of claim 31 further wherein a sheet of paper is in place on the inside space of the relief form member and the fastenings are discrete glue spots placed at selected intervals along the length of the relief form member to contact and thereby attach the side corner aids to each other and to attach the paper to portions of the side corner aids.

Claim 36. The architectural trim of claim 31 absent any other structural support member.

Claim 37. The architectural trim of claim 31 wherein the side corner aids are not modified in form.

Claim 38. The architectural trim of claim 31 wherein the side corner aids are modified in form having the angle between leg portions enlarged.

Claim 39. The architectural trim of claim 31 further wherein the said structural elements comprise a first stepped structure set on top of a second stepped structure the second stepped structure having structural elements comprising at least a first and second side corner aid which define a side height and a corner of the second stepped structure and together they define a width of the second stepped structure which is wider than the width of the first stepped structure and an inside space and the fastenings include fastenings placed to fasten the first and second stepped structures together to define a relief form member that can be used to create an architectural trim element having a stepped profile.

Claim 40 The architectural trim of claim 34 in which the paper is recycled paper.

Claim 41. The prefabricated relief form member of claim 30 wherein at least one channel element is positioned to extend between the first and second side corner aids of the second stepped structure and the channel element and the fastenings fasten the channel element at each of its sides to one of the said side corner aids.

Claim 42. The architectural trim of claim 41 in which the at least one channel element is a corner aid that has been modified in form by opening the angle between the legs.

Claim 43. A method of making a prefabricated relief form member for receiving and retaining a cementitious coating when the relief form member is attached to a prepared structural wall to create an architectural trim, comprising;

using commercially available corner aids of specific length to construct the relief form member said corner aids comprising at least a first corner aid defining a first side corner aid and a second corner aid defining a second side corner aid;

positioning the first side corner aid and the second side corner aid lengthwise oppositely relative to each other so that each of them defines a height and a corner of the relief form member and together they define a width of the relief form member and an inside space;

fastening the first side corner aid and the second side corner together to keep them together in a predetermined relief form configuration.

Claim 44. The method of claim 43 in which the fastening is done by applying glue at selected intervals.

Claim 45. The method of claim 43 further comprising placing a sheet of paper in the inside space.

Claim 46. The method of claim 43 wherein at least one additional corner aid is formed with an opened profile to define a channel element and is placed between the first and second corner aids and fastening the channel element to each of the first and second corner aids.

Claim 47. The method of claim 43 further wherein a sheet of paper is first placed on the fixture and the corner aids are subsequently placed on top of the sheet of paper so that the finished relief form member has the sheet of paper on the inside of the relief form member and glue is placed at selected intervals along the length of the relief form member to attach the paper along the length of the corner aids.

Claim 48. The method of claim 43 wherein the glue is applied to encapsulate portions of the first and second corner aids and of the at least one additional edge guide where they are glued together.

Claim 49. The method of claim 47 further wherein at least one additional corner aid is formed with an opened profile to define a channel element and is placed between the first and second corner aids and the fastening is by depositing glue at selected discrete intervals for fastening the corner aids and the channel element together for attaching the sheet of paper to the structural elements.

Claim 50. The method of claim 47 wherein the modifying of the additional corner aid is by substantially flattening it leaving it either straight or slightly bowed.



Claim 51. A method of making an architectural trim member comprising;  
determining a trim profile;

arranging as structural elements of a prefabricated relief form member connected wire assemblies in a configuration that upon application of cementitious material will enable the trim profile to be realized;

fastening the connected wire assemblies together;

applying cementitious material to realize the trim profile.

Claim 52. A method of making a prefabricated relief form for use in an architectural trim member comprising;

preparing an elongated core having a width and a height reverse calculated from the desired dimensions of the trim member so that connected wire assemblies may be made into a prefabricated relief form appropriate to realize the trim member;

placing connected wire assemblies having a corner and legs extending from the corner on the core so that they are positioned lengthwise oppositely relative to each other with one leg extending over the top of the core and one leg extending adjacent the side of the core;

fastening the connected wire assemblies together.

Claim 53. The method of claim 52 wherein before the connected wire assemblies are put in place on the core a sheet of paper is put on the core, the sheet of paper extending over the top of the core and down the sides of the core.

Claim 54. The method of claim 52 wherein the fastenings are glue deposits placed at selected intervals along the length of the connected wire assemblies.

Claim 55. The method of claim 52 wherein the connected wire assemblies are side corner aids.

Claim 56. The method of claim 53 wherein the connected wire assemblies are side corner aids and the fastening is done by applying glue at selected intervals along the length of the sidecorner aids to connect them and also to adhere to the paper sheet.

Claim 57. The method of claim 56 further wherein a channel member is placed on the top of the core after the sheet of paper is put in place on the top of the core and the side corner aids are put in place either before or after the channel member is put in place.

Claim 58. The method of claim 57 in which the channel member is a channel corner aid.

Claim 59. The method of claim 52 wherein a plurality of brackets are placed on top of the connected wire assemblies to fix them in place.

Claim 60 the method of claim 52 wherein the relief form is attached to a wall and cementitious material is applied to create the architectural trim member.